

USSN.: 09/554,533  
Atty. Docket No. 238/086 US

### AMENDMENTS TO THE CLAIMS

55. (currently amended) An isolated peptide compound according to SEQ ID NO: 4 and having the formula:

His Xaa<sub>2</sub> Xaa<sub>3</sub> Gly Thr Phe Thr Xaa<sub>8</sub> Asp Xaa<sub>10</sub> Ser Lys Gln Xaa<sub>14</sub>  
Glu Glu Glu Ala Val Arg Leu Xaa<sub>22</sub> Xaa<sub>23</sub> Glu Xaa<sub>25</sub> Leu Lys  
Xaa<sub>28</sub> Gly Gly Pro Ser Ser Gly Ala Pro Pro Pro-Z

wherein Xaa<sub>2</sub> is Ser, Gly or Thr,

Xaa<sub>3</sub> is Asp or Glu,

Xaa<sub>8</sub> is Ala, Ser, or Thr,

Xaa<sub>10</sub> is Leu, Ile, Val, pentylglycine or Met,

Xaa<sub>14</sub> is Ala, Leu, Ile, pentylglycine, Val or,

Xaa<sub>22</sub> is Phe, Tyr or naphthylalanine,

Xaa<sub>23</sub> is Ile, Val, Leu, pentylglycine, tert-butylglycine or Met,

Xaa<sub>25</sub> is Ala, Trp, Phe, Tyr or naphthylalanine,

Xaa<sub>28</sub> is Ala or Asn, and

Z is -OH or -NH<sub>2</sub>; or a

pharmaceutically acceptable salt thereof.

56. (Previously presented) The isolated peptide compound or salt thereof of claim 55, wherein Xaa<sub>2</sub> is Ser.

57. (Previously presented) The isolated peptide compound or salt thereof of claim 55, wherein Xaa<sub>2</sub> is Gly.

58. (Previously presented) The isolated peptide compound or salt thereof of claim 55, wherein Xaa<sub>3</sub> is Asp.

59. (Previously presented) The isolated peptide compound or salt thereof of claim 55, wherein Xaa<sub>14</sub> is Leu.

USSN.: 09/554,533  
Atty. Docket No. 238/086 US

60. (Previously presented) The isolated peptide compound or salt thereof of claim 55, wherein Xaa<sub>25</sub> is Phe.

61. (Previously presented) The isolated peptide compound or salt thereof of claim 55, wherein Xaa<sub>28</sub> is Ala.

62. (Previously presented) The isolated peptide compound or salt thereof of claim 55, wherein Z is NH<sub>2</sub>.

63. (Withdrawn) A peptide compound of the formula:

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Xaa<sub>14</sub> Glu

Glu Glu Ala Val Arg Leu Phe Ile Glu Xaa<sub>25</sub> Leu Lys Asn-NH<sub>2</sub>;

wherein Xaa<sub>14</sub> is Ala, Leu, Ile, pentylglycine, Val or Met;

Xaa<sub>25</sub> is Ala, Trp, Phe, Tyr or naphthylalanine; and

wherein any one amino acid other than Xaa<sub>4</sub>, Xaa<sub>7</sub>, Xaa<sub>9</sub>, Xaa<sub>14</sub>, Xaa<sub>18</sub>, Xaa<sub>22</sub> and Xaa<sub>23</sub> optionally is Ala; and pharmaceutically acceptable salts thereof.

64. (Withdrawn) The peptide compound of claim 63, wherein Xaa<sub>14</sub> is Leu.

65. (Withdrawn) The peptide compound of claim 63, wherein Xaa<sub>25</sub> is Phe.

66. (Previously presented) An isolated peptide compound according to SEQ ID NO: 4 and having the formula:

His Xaa<sub>2</sub> Xaa<sub>3</sub> Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu

Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly

Pro Ser Ser Gly Ala Pro Pro Pro-Z,

wherein Xaa<sub>2</sub> is Gly, Ser, Ala or Thr, Xaa<sub>3</sub> is Glu or Asp; and Z is -OH or -NH<sub>2</sub>; or a pharmaceutically acceptable salts thereof.

67. (Previously presented) The isolated peptide compound or salt thereof of claim 66, wherein Xaa<sub>2</sub> is Ser.

USSN.: 09/554,533  
Atty. Docket No. 238/086 US

68. (Previously presented) The isolated peptide compound or salt thereof of claim 66, wherein Xaa<sub>3</sub> is Asp.

69. (Previously presented) The isolated peptide compound or salt thereof of claim 66, wherein Z is NH<sub>2</sub>.

70. (Previously presented) A method for the treatment of diabetes mellitus comprising the administration, to a subject in need thereof, of a therapeutically effective amount of a compound or salt thereof according to claim 55.

71. (Previously presented) The method of claim 70 further comprising the administration of a therapeutically effective amount of an insulin.

72. (Withdrawn) A method for the treatment of diabetes mellitus comprising the administration of a therapeutically effective amount of a compound according to claim 63.

73. (Withdrawn) The method of claim 72 further comprising the administration of a therapeutically effective amount of an insulin.

74. (Previously presented) A method for the treatment of diabetes mellitus comprising the administration, to a subject in need thereof, of a therapeutically effective amount of a compound or a salt thereof according to claim 66.

75. (Previously presented) The method of claim 74 further comprising the administration of a therapeutically effective amount of an insulin.